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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/090,877	03/05/2002	Mark S. Kempisty	MATP-609US	6457
23122	7590	04/22/2005	EXAMINER	
RATNERPRESTIA			NGUYEN, CHANH DUY	
P O BOX 980			ART UNIT	
VALLEY FORGE, PA 19482-0980			PAPER NUMBER	

2675

DATE MAILED: 04/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/090,877

Applicant(s)

KEMPISTY, MARK S.

Examiner

Chanh Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 January 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. The amendment filed on February 01, 2005 has been entered and considered by examiner.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2, 5, 8-10, 14-15 and 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kim (U.S Application Publication No. 2003/0,159,146) in view of Shintano et al (U.S. Patent No. 6,532,492) .

As to claim1, Kim discloses a remote control system (110) for an electronic device (TV 112) including a processor (820, 827) in the electronic device (TV 112) that generates image pattern to be displayed as an on-screen display (OSD) (see paragraph 0101 "predetermined OSD pattern data provided by the OSD generator 827"); a transmitter in the electronic device that transmits the generated information (see page 3, paragraph 0040-0041) as a broad cast program information. Kim teaches a remote control unit (110) including a receiver (412) which receives the broadcast program information (see page 3, paragraphs 0040-0041 and page 4, paragraph 0063); a data

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processor (424) which processes the broadcast program information signal to generate the broadcast program or EPG; and a display device(454) operably linked to the data processor (424) which displays the generated broadcast program or EPG; see Figure 4. Kim teaches transmitting broadcast program or EPG to the remote control unit and silent whether OSD is transmitted to the remote control unit. I

In the same field of endeavor, examiner cites the reference of Shintani teaches an electronic program guide or on-screen display (OSD) transmitted from a television set (101) to a remote controller unit (100) so that the OSD which obscures the picture on the television set is avoided (see column 4, line 54 through column 5, line 7). Therefore, it would have been obvious to one of ordinary skill in the art at the invention was made to have used the OSD information of Shintani to the remote controller of Kim so that the OSD which obscures the picture on the television set is avoided (see column 4, line 54 through column 5, line 7 of Shintani).

As to claim 9, this claim differs from claim 1 in that claim 1 is apparatus whereas claim 9 is method. Thus, method claim 9 is analyzed as previously discussed with respect to apparatus claim 1 above.

As to claim 16, this claim differs from claim 9 in that the limitation computer program instruction for a remote control unit is additionally recited. Kim clearly teaches the remote controller (110) having CPU (424), ROM (442) which are included the program instruction.

As to claims 2, 10, 17, Kim teaches memories (444, 446) in the remote controller (110) . Thus, it is clear that memories (444, 446) use for storing either EPG information

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or OSD information of Shintani as well as CPU (424) . This reads on the limitation the remote control unit memory for storing generic OSD data, wherein the data processor generates the OSD responsive to the OSD information signal and the generic OSD data.

As to claims 5, 15, Kim teaches a plurality of users (102, 108) coupled to television set (112) through a remote controller (110). The remote controller (110) can transmit program guide received from T.V set (112) to a users (102, 108). This reads on the limitation further display device, operably coupled to the electronic device and the processor of the electronic device is responsive to a command provided by the remote control unit to selectively suppress display of the OSD on the further display device as recited in the claim.

As to claims 8, 14, Kim clearly teaches OSD being electronic program guide information.

4. Claims 3-4, 11-12 and 18-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kim in view of Shintani as applied to claim1 above, and further in view of Horton (U.S. Patent No. 5,969,770).

As to claims 3, 11 and 18, note the discussion of Kim and Shintani above, Kim and Shintani do not mention OSD bit map. Horton teaches the processor (1523) in the electronic device (TV) generates an OSD bitmap as the OSD information (see column 5, lines 15-65 . Combining Kim, Shintani and Horton would meet the claimed the remote control unit including a memory for storing the OSD bitmap since the OSD

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information of Kim and Shintani can be transmitted from the electronic device to the remote control. Therefore, it would have been obvious to one of ordinary skill in the art at the invention was made to have used bit map OSD as taught by Horton to the OSD information of Kim as modified by Shintani so that it can provide sophisticated OSD graphics such as animation without adding any extra cost or complexity of circuitry (see column 2, lines 36-42 of Horton).

As to claims 4, 12 and 19, combining Kim, Shintani and Horton would meet the claimed remote control unit down samples the OSD bitmap stored in the memory to produce a down sampled OSD for display on the display device since the OSD information of Kim and Shintani can be transmitted from the electronic device to the remote control.

5. Claims 6-7, 13 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kim in view of Shintani as applied to claim 1 above, and further in view of Dunaway (U.S. Patent No. 5,450,079).

As to claims 6, 13 and 20, note the discussion of Kim and Shintani above, Kim and Shintani do not mention OSD including menu information. Dunaway teaches the OSD information includes menu information (24-42) including a plurality of options (subsequent menus) and the remote control unit (10) further including an input device for selecting one option from among the plurality of options (subsequent menus) when the menu information is displayed; and a transmitter (66) for transmitting information concerning the selected option to the electronic device (e.g., TV, VCR). Therefore, it

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would have been obvious to one of ordinary skill in the art at the invention was made to have used menu information as taught by Dunaway to the remote controller of Kim as modified by Shintani because by providing a series of nested menus to permit the user to selected subsequent menus, a highly complex device such as a satellite receiver, may be simply and easily controlled utilizing multimodal remote control device (see column 4, lines 36-41 of Dunaway).

As to claim 7, Kim clearly teaches the remote control unit being a personal digital assistant (see paragraph 0038).

Response to Arguments

6. Applicant's arguments filed January 3, 2005 have been fully considered but they are not persuasive.

On page 8, third paragraph, applicant argues that "Kim does not indicate his EPG data includes any image pattern information that may be display on a display device". Examiner disagrees with applicant this point of view since Kim clearly states that "the display displays images together with predetermined OSD pattern data provided by the OSD generator" (see paragraph 0101, last three lines). Applicant also argues that Kim uses POCSAG paging format , only data are transmitted using this format . This data does not conform to an "on screen display". However, transmitting OSD information is clearly taught by Shintani. Shintani mention the term OSD in his entire patent. For example, Shintani teaches that "the user may do this by having the television's on-screen display (OSD) list the sub-channels available from the user can select" (see column 1, lines 64-66). Shintani solve the same problem as applicant's device. That is

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eliminate an OSD which obscures the picture on the television set by transmitting the OSD to the remote control unit (see column 5, lines 5-7).

On page 8, last paragraph, applicant argues that Shintani does not indicate that the display on the remote control conforms to the OSD that would be produced on the television receiver. First of all, if OSD in Shintani is not produced on the television receiver, then how the OSD in Shintani can transmit to control unit from the television set. Secondly, even Shinitani is silent whether OSD information is produced on the television receiver or not. Kim clearly teaches OSD is produced on the broadcast receiver (820). . Applicant argues that Shintani discloses only transmitting electronic program guide information to the remote control device. Examiner disagrees with applicant this point of view since Shintani clearly states that "Consequently, OSD which obscures the picture on the television set 101 is unnecessary" (see column 5, lines 5-7).

As to claims 3, 4, 11, 12, 18 and 19, applicant argues that Horton does not disclose a remote control device and so, cannot disclose or suggest sending any image pattern information from the MPEG video signal processing system to a remote control. However, transmitting OSD information from the electronic device to the remote control unit is taught by Shinitani.

As to claims 6-7 and 13, 20, applicant argues that Dunaway does not disclose or suggest sending or receiving image pattern OSD information. Again, transmitting OSD information from the electronic device to the remote control unit is taught by Shinitani.


Inquiries

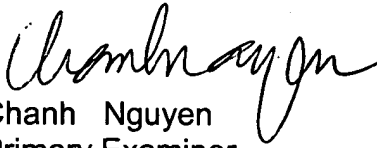
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chanh Nguyen whose telephone number is (571) 272-7772. The examiner can normally be reached on Monday- Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz can be reached on (571) 272-3638. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


C. Nguyen
April 15, 2005


Chanh Nguyen
Primary Examiner
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